AMENDMENT TO THE CLAIMS

A complete listing of all claims in this application is set forth below. This listing will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently amended) A surgical assembly comprising:

a guide block which comprises:

a. a fixation part configured to be fastened directly to a patient's tissue, and

b. a guide part having at least one tool engagement guide surface, the guide part being mounted in relation to the fixation part,

c. at least two drives configured to adjust the position of the guide part relative to the fixation part, so that the position of the guide part relative to the fixation part can be adjusted in at least two degrees of freedom, and

d. at least one position indicator which is supported by and fixed relative to the guide part,

at least one position monitor configured to track the location of the position indicator, so that the position of the guide part relative to a reference point can be determined,

a signal generator which is connected to the drives and configured to generate position signals which are transmitted to the drives to cause the guide part to be moved relative to the fixation part to a desired position relative to the reference point; and

a surgical tool having a bone contacting cutting structure positioned in engagement with the tool engagement guide surface of the guide part during use of the surgical tool.

2. (Previously presented) A surgical assembly as claimed in claim 1, in which the guide block includes at least three drives configured to adjust the position of the guide part relative to the fixation part, so that the position of the guide part relative to the fixation part can be adjusted in at least three degrees of freedom.

3. (Previously presented) A surgical assembly as claimed in claim 1, in which the fixation part of the guide block includes a housing which is hollow, and in which the drives are located inside the housing.

4. (Previously presented) A surgical assembly as claimed in claim 1, in which the guide block includes connector shafts which extend from the fixation part to the guide part, which are moved relative to the fixation part by respective ones of the drives to cause the location of the guide part to be adjusted.

5. (Previously presented) A surgical assembly as claimed in claim 1, in which the fixation part includes means for adjusting the drives which are accessible from outside the housing.

6. (Previously presented) A surgical assembly as claimed in claim 1, in which the bone contacting cutting structure of the surgical tool is a saw blade.

7. (Previously presented) A surgical assembly as claimed in claim 1, in which the bone contacting cutting structure of the surgical tool is a drill bit.

8. (Previously presented) A surgical assembly as claimed in claim 1, in which the fixation part has at least one opening extending through it in which a fastener can be located for fixing the fixation part to the patient's tissue.

9. (Previously presented) A surgical assembly as claimed in claim 8, in which the fixation part has a plurality of openings extending through it in which fasteners can be located for fixing the fixation part to the patient's tissue.

10. (Previously presented) A surgical assembly as claimed in claim 1, in which at least one of the drives includes at least one threaded shaft on one of the fixation part and the guide part, and a threaded bore in the other of the fixation part and the guide part in which the threaded shaft can be received, in which the position of the guide part relative to the fixation part can be adjusted by rotating the at least one threaded shaft relative to the threaded bore.

11. (Previously presented) A surgical assembly as claimed in claim 10, in which the at least one of the drives includes a knob which can be engaged manually to cause relative rotation between the at least one threaded shaft and the threaded bore.

12. (Previously presented) A surgical assembly as claimed in claim 10, in which the guide block further includes an electric motor configured to cause relative rotation between the at least one threaded shaft and the threaded bore.

13. (Previously presented) A surgical assembly as claimed in claim 10, in which the guide block further includes a flexible drive shaft connected to the guide part, through which rotational motion can be imparted to the guide part from a remote location to cause relative rotation between the at least one threaded shaft and the threaded bore.

Claim 14. (Canceled).

Claim 15. (Canceled).